

IOWA DEPARTMENT OF TRANSPORTATION

To FILE

Date June 9, 2022

From Brad Azeltine

Bureau Location and Environment

Subject Asbestos Inspection

The asbestos inspection requested by Bridges and Structures has been completed. The results are as follows:

DATE OF INSPECTION – June 2, 2022

CERTIFIED AHERA INSPECTOR(S) – Brad Azeltine

COUNTY – Keokuk

PROJECT NO. – BRF-021-1(46)—38-54

BRIDGE MAINTENANCE # – 5414.5S021

FHWA # – 032600

ITEM – IA 21 Bridge over Cedar Creek 1.1 Mi. N. of IA 92

SAMPLE #1 – Fabric pads under the bearings, 20 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #2 – Fabric pads under the base plates for the metal handrails where they are attached to the top of the abutments (9 bases), 4 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #3 – Gray-white caulk around the base plates for the metal handrails where they are attached to the top of the abutments, 1 sq. ft.

TEST RESULTS – No asbestos present

SAMPLE #4 – Joint filler in the vertical joint between the abutment wall faces and the bridge deck, 60 sq. ft.

TEST RESULTS – No asbestos present

ANALYTICAL REPORT

IOWA ENVIRONMENTAL SERVICES, INC

iesiowa.com



IDOT
800 Lincoln Way
Ames, IA 50010

11101 Aurora Avenue, Urbandale, Iowa 50322
Phone: 515-279-8042 Fax: 515-279-1853

Lab Id #: 106834
Project #: 5414.5S021

Sample Description: Client # 1

Fabric Pad

Date Taken: 6/2/2022

Date Received: 6/6/2022

Asbestos Identification

Sample Color: Brown

Fibrous Asbestiforms

Estimated % by volume

Actinolite/Tremolite:	ND
Amosite:	ND
Anthophyllite:	ND
Chrysotile:	ND
Crocidolite:	ND
Total Asbestiforms:	ND

Other Components

Cellulose:	90
Fibrous Glass:	ND
Synthetics	ND
Perlite:	ND
Horse Hair:	ND
Quartz:	ND
Other Fibrous Component	ND
Nonfibrous	10

Analyst Notes:

All analysis are performed by polarized light microscopy using the EPA 600/R-93-116 Method. Disclaimer: PLM has been known to miss asbestos in a small percentage of samples reported which contain asbestos. Thus negative results cannot be guaranteed. Iowa Environmental Services, Inc. suggest that samples reported as <1% or nondetected to be tested with either SEM or TEM. The above analytical report relates only to the sample submitted for analysis. This report may not be reproduced, except in full without written approval of Iowa Environmental Services, Inc. This laboratory is not responsible for the accuracy of results when requested to physically separate and analyse layered samples. Member of the American Industrial Hygiene Association(AIHA) Bulk Quality Assurance Program, Laboratory ID: 101039

Analyzed By: Robert L. Sigmund, Jr.

Date Analyzed: 6/6/2022

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Lab Id #: 106835
Project #: 5414.5S021

Sample Description: Client # 2

Fabric Pad

Date Taken: 6/2/2022

Date Received: 6/6/2022

Asbestos Identification

Sample Color: Brown

Fibrous Asbestiforms

Estimated % by volume

Actinolite/Tremolite:	ND
Amosite:	ND
Anthophyllite:	ND
Chrysotile:	ND
Crocidolite:	ND
Total Asbestiforms:	ND

Other Components

Cellulose:	95
Fibrous Glass:	ND
Synthetics	ND
Perlite:	ND
Horse Hair:	ND
Quartz:	ND
Other Fibrous Component	ND
Nonfibrous	5

Analyst Notes:

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Analyzed By: Robert L. Sigmund, Jr.

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Phone: 515-279-8042 Fax: 515-279-1853

Lab Id #: 106836

Project #: 5414.5S021

Sample Description: Client # 3

Caulk

Date Taken: 6/2/2022

Date Received: 6/6/2022

Asbestos Identification

Sample Color: Gray

Fibrous Asbestiforms

Estimated % by volume

Actinolite/Tremolite:	ND
Amosite:	ND
Anthophyllite:	ND
Chrysotile:	ND
Crocidolite:	ND
Total Asbestiforms:	ND

Other Components

Cellulose:	2
Fibrous Glass:	ND
Synthetics	ND
Perlite:	ND
Horse Hair:	ND
Quartz:	ND
Other Fibrous Component	ND
Nonfibrous	98

Analyst Notes:

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Analyzed By: Robert L. Sigmund, Jr.

Date Analyzed:

6/6/2022

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Phone: 515-279-8042 Fax: 515-279-1853

Lab Id #: 106837
Project #: 5414.5S021

Sample Description: Client # 4

Joint Filler

Date Taken: 6/2/2022

Date Received: 6/6/2022

Asbestos Identification

Sample Color: Brown/Black

Fibrous Asbestiforms

Estimated % by volume

Actinolite/Tremolite:	ND
Amosite:	ND
Anthophyllite:	ND
Chrysotile:	ND
Crocidolite:	ND
Total Asbestiforms:	ND

Other Components

Cellulose:	90
Fibrous Glass:	ND
Synthetics	ND
Perlite:	ND
Horse Hair:	ND
Quartz:	ND
Other Fibrous Component	ND
Nonfibrous	10

Analyst Notes:

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Analyzed By: Robert L. Sigmund, Jr.

Date Analyzed:

6/6/2022

CHAIN OF CUSTODY RECORD

Email: brad.azeltine@iowadot.us

Date/Time: _____